

10/07/2017

Blackmoor Farm Cart Shed Building, Oxspring for conversion to

a Single Storey Dwelling

**Structural Inspection:**

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**For B.M.F. Developments Ltd**

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D.A.Popple B.Sc.

Date 3rd July 2017

## Structural Inspection

### Blackmoor Farm Cart Shed Building, Oxspring.

#### Existing Structure

The existing 19<sup>th</sup> century single storey Cart Shed building comprises a three sided sandstone walled building with the front elevation mainly open with returns to offer support for each side elevation. On the front elevation there are two equally spaced solid sandstone tapered pillars that support the King Post roof structure.

The solid sandstone walls are approximately 600mm thick throughout the building and the sandstone blocks have become weathered with time. The mortar is also weathered. On the front elevation the two substantial sandstone pillars also show signs of weathering. At the time of the inspection the roofing material (stone tiles) had been removed and the two King Post trusses were exposed. The foundations were not available for inspection at the time of the survey.

#### Inspection

Although the sandstone walls and mortar are weathered, the building does not show any signs of movement. The walls are plumb and there is no evidence of any vertical movement or cracking. This would indicate that the building has not moved and that the foundations are adequate. The two sandstone tapered pillars are also in good condition and do not show any signs of deterioration or movement and they and their foundations have supported the stone tiled roof until recently.

#### Conclusion

The existing sandstone walls will provide adequate stability for the proposed dwelling. The roof will be taken down and reconstructed to current guidelines and standards. The stone pillars will be used for decorative purpose only.